

What is claimed is:

1. A ground fault circuit interrupter comprising:

ground fault current interrupter means electrically connected between a source of electrical power and a load for interrupting the flow of electrical current from said source of electrical power to said load when a ground fault condition exists; and

indicating means responsive to said ground fault current interrupter means for automatically indicating when said ground fault current interrupter means is not properly electrically connected to said source of electrical power.

2. A ground fault circuit interrupter comprising:

ground fault current interrupter means electrically connected between a source of electrical power and a load for interrupting the flow of electrical current from said source of electrical power to said load when a ground fault condition exists;

said ground fault current interrupter means including receptacle means for coupling said source of electrical power to an external electrical device; and

indicating means responsive to said ground fault current interrupter means for automatically indicating when said ground fault current interrupter means is not properly electrically connected to said source of electrical power thereby alerting a user that the flow of electrical current from said source of electrical power to said external electrical device will not be interrupted when a ground fault condition exists.

3. A ground fault circuit interrupter comprising:

ground fault current interrupter means electrically connected between a source of electrical power and a load for interrupting the flow of electrical current from said source of electrical power to said load when a ground fault condition exists;

said ground fault current interrupter means including receptacle means for coupling said source of electrical power to an external electrical device;  
sensing means electrically connected to said ground fault current interrupter means for automatically sensing when said ground fault current interrupter means is properly electrically connected to said source of electrical power;  
and

alarm generating means responsive to said sensing means for automatically generating an alarm when said sensing means fails to sense that said ground fault current interrupter means is properly electrically connected to said source of electrical power thereby alerting a user that the flow of electrical current from said source of electrical power to said external electrical device via said receptacle means will not be interrupted when a ground fault condition exists.

4. A ground fault circuit interrupter electrically connected between a source of electrical power and a load and which interrupts the flow of electrical current from said source of electrical power to said load when a ground fault condition exists, wherein the improvement comprises:

indicating means electrically connected to said ground fault circuit interrupter for automatically indicating when said ground fault circuit interrupter is not properly electrically connected to said source of electrical power.

5. A ground fault circuit interrupter electrically connected between a source of electrical power and a load including ground fault current interrupter means for interrupting the flow of electrical current from said source of electrical power to said load when a ground fault condition exists and receptacle means for coupling said source of electrical power to an external electrical device, wherein the improvement comprises:

sensing means electrically connected to said ground fault current interrupter  
means for automatically sensing when said ground fault current interrupter  
means is properly electrically connected to said source of electrical power;  
and

alarm generating means responsive to said sensing means for automatically  
generating an alarm when said sensing means fails to sense that said ground  
fault current interrupter means is properly electrically connected to said  
source of electrical power thereby alerting a user that the flow of electrical  
current from said source of electrical power to said external electrical  
device via said receptacle means will not be interrupted when a ground fault  
condition exists.